

**HURRICANE KATRINA SURGE INUNDATION
and
ADVISORY BASE FLOOD ELEVATION MAP
Harrison and Jackson Counties, MS**

Date of Event: August 29, 2005
Date of Map: January 6, 2006

Map Number: MS-I26

Estimated Katrina Surge Elevations^{1,2}

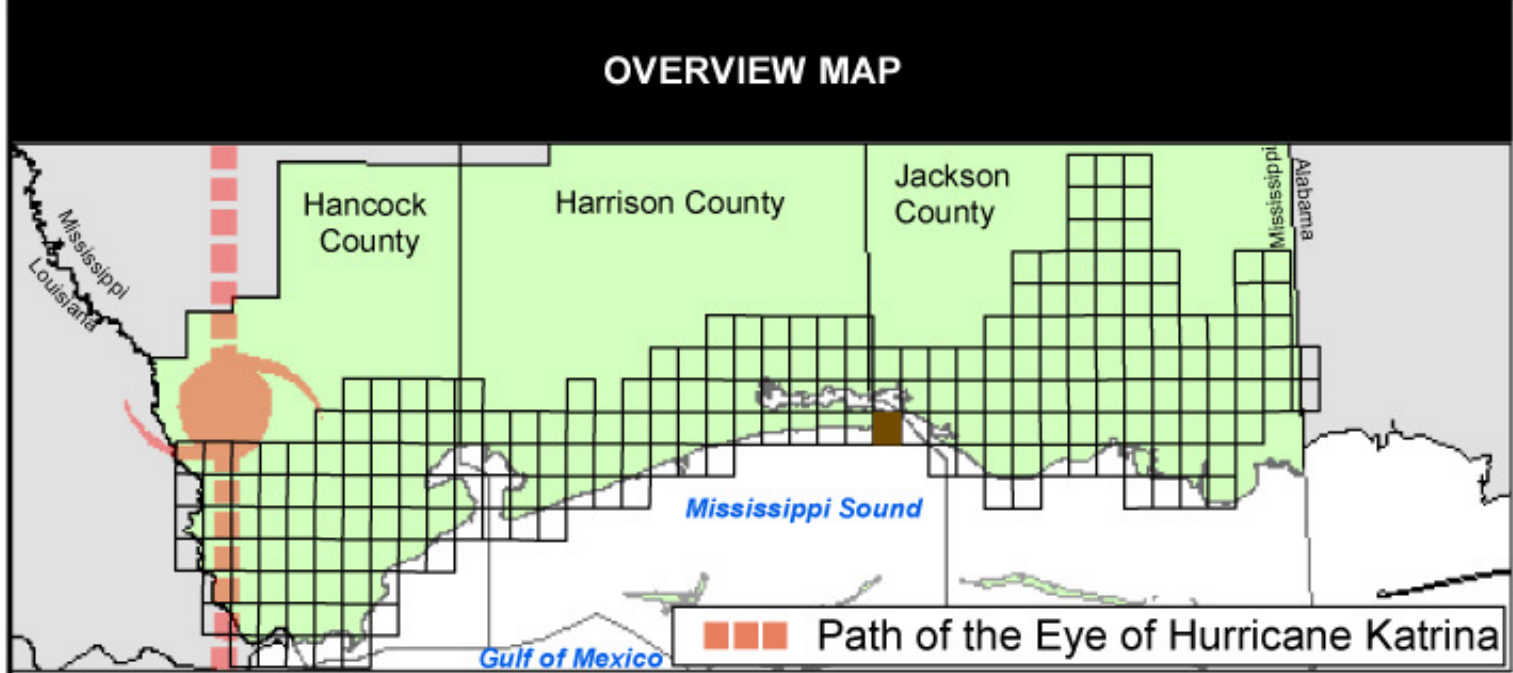
20-24 ft

Advisory Base Flood Elevations^{2,3}

**Open Coast: 14-27 ft
Back Bay: 12-24 ft**

Effective Base Flood Elevations²

**VE Zone: 14-17 ft
AE Zone: 11-13 ft**

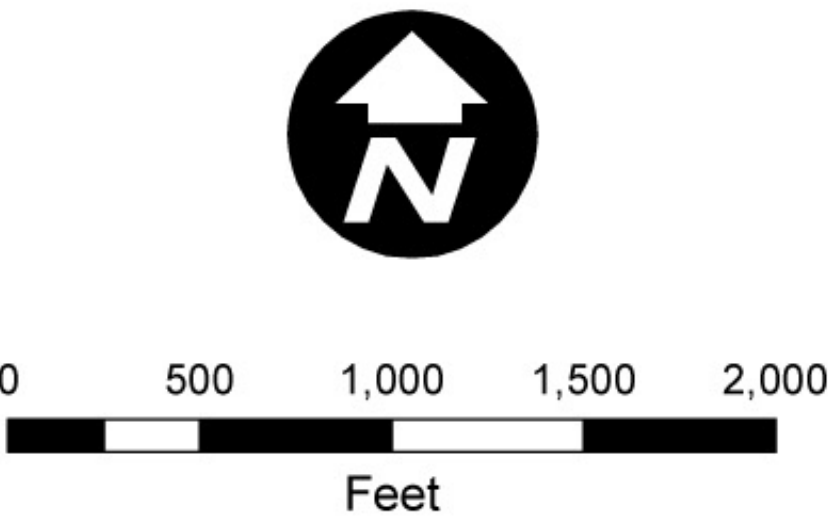


Data Sources:
Aerial Imagery: USDA, National Agriculture Imagery Program, 2004
Flood Zones and Elevations: FEMA Flood Insurance Rate Maps (Hancock Co., MS, [1983-1992]; Harrison Co., MS [1984-2002]; Jackson Co. [1984-1993]). Elevations converted from NGVD29 to NAVD88.
High Water Marks: FEMA (Identified and surveyed Sept-Oct., 2005)
Storm Track: NOAA National Weather Service

For more information on these advisory maps, please see www.fema.gov/hazards/floods/recoverydata/katrina_index.shtml

MAPS FOR ADVISORY PURPOSES ONLY - NOT FOR INSURANCE RATING PURPOSES

For insurance rating purposes, refer to the currently effective Flood Insurance Rate Map (FIRM), available from your local government or the FEMA Map Service Center (1-800-358-9616/ <http://msc.fema.gov>)



LEGEND

- Hurricane Katrina-Related Data**
- State Boundary
 - County Boundary
 - Preliminary Indoor High Water Mark²
 - Preliminary Outdoor High Water Mark²
 - Preliminary Debris High Water Mark²
 - Limit of Katrina Surge Inundation
 - ABFE Contours (1-foot intervals)³
 - ABFE Inland Limit³
 - Approx. Limit of 1.5-foot Wave Zone³
 - Approx. Limit of 3-foot Wave Zone³
 - Open Coast/Back Bay Boundary
 - Limit of ABFEs

Notes:

¹ Range estimated from surveyed, surge-only HWMs. Local wave effects (wave heights and wave runup) are not included in these elevations.
² Measured in feet relative to the North American Vertical Datum of 1988
³ Post-Hurricane Katrina Advisory Base Flood Elevations (ABFEs) are based on updated statistical information to develop the estimated 1%-annual-chance (100-year) stillwater elevations (SWELs) plus estimated wave effects. For Harrison County, MS, the advisory SWEL is 18 ft for the Gulf Coast and 16 ft for back-bay areas; for Jackson County, MS, the advisory SWEL is 14 ft for the Gulf Coast and 12 ft for back-bay areas. See equation below to calculate the ABFE with wave effects for a given site:
$$ABFE = \text{Advisory SWEL} + \text{Wave Height},$$

where Wave Height = $\frac{1}{2}$ Stillwater Flooding Depth (depth measured relative to the ground)